

10 Recd

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PATENT
Docket No. 278012001300

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21.5/5
Irina Britva

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Peter DERVAN et al.

Serial No.: 09/786,947

Filing Date: March 8, 2001

For: REGULATION OF HER2/NEU
ONCOGENE EXPRESSION BY
SYNTHETIC POLYAMIDES

Examiner: To be Assigned

Group Art Unit: To be Assigned

**RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT
APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO
ACID SEQUENCE DISCLOSURES**

Box Sequence
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

This is in response to Notice to comply with requirements for patent applications containing nucleotide sequence and/or amino acid sequence disclosures mailed May 21, 2001, for which a response is due on July 21, 2001. Accordingly, this response is timely filed.

Please enter the following Sequence Listing, amendments and remarks.

In the Sequence Listing:

Please insert the attached paper copy of the Sequence Listing as new pages 1-3 in the above-captioned application. A computer-readable copy (CFR copy) of the Sequence Listing accompanies this response.

Amendments

In the Specification:

Please replace the paragraph beginning at page 4, line 4, with the following rewritten paragraph:

-- Other small molecules have also been of interest as DNA-binding ligands. Wade, et al., reported the design of peptides that bind in the minor groove of DNA at 5'-(A,T)G(A,T)C(A,T)-3' sequences by a dimeric side-by-side motif (*J. Am. Chem. Soc.* **114** 8783-8794 (1992)). Mrksich, et al. reported antiparallel side-by-side motif for sequence specific-recognition in the minor groove of DNA by the designed peptide 1-methylimidazole-2-carboxamidenetropsin (*Proc. Natl. Acad. Sci USA* **89**, 7586-7590 (1992)). Pelton, J.C. & Wemmer, D.E. reported the structural characterization of a 2-1 distamycin A-d(CGCAAATTTGGC) (SEQ ID NO:1) complex by two-dimensional NMR (*Proc. Natl. Acad. Sci USA* **86**, 5723-5727 (1989)). --

Please replace the paragraph beginning at page 8, line 2, with the following rewritten paragraph:

-- Figure 1 depicts the HER2/neu promoter (SEQ ID NO:6), showing the nucleotide sequence in A, including binding sites of Ets, AP-2, and TBP ("TATA") transcription factors and the "CCAAT box", and in b, a schematic diagram, not to scale. --